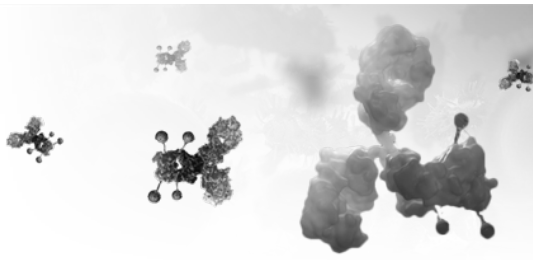

Anti-Picolinic Acid polyclonal antibody (DPAB1787)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Using a conjugate Picolinic acid-protein carrier, antibody specificity was performed with an ELISA test by competition experiments with the following compounds : Compounds Cross-reactivity ratio (a) Picolinic acid-BSA 1 Kynurenic acid-BSA &nbs
Immunogen	Synthetic Picolinic acid conjugated to protein carriers.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugated
Size	100 µl
Preservative	None
Storage	2 years at -20 °C

BACKGROUND

Introduction	Picolinic acid, an isomer of nicotinic acid, is a six-membered ring structure compound composed of five carbon atoms and a nitrogen which replace one carbon-hydrogen unit in the benzene ring, plus a carboxyl side chain at 2-position (nicotinic acid has a carboxyl side chain at 3-position). It acts as a chelating agent of elements such as chromium, zinc, manganese, copper, iron, and molybdenum in the body. It is involved in phenylalanine, tryptophan, and alkaloids production, and for the quantitative detection of calcium. This forms a complex with zinc, may facilitate the passage of zinc through the gastrointestinal wall and into the circulatory

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	system. Commercially picolinic acid is used as an intermediate to produce pharmaceuticals (especially local anesthetics) and metal salts for the application of nutritional supplements.
Keywords	pyridine-2-carboxylic acid; Picolinic acid

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